

IN THE CLAIMS

Please enter the amended claims given below.

Claims 1-42 canceled.

- 1 78. (new) A method for utilizing flowable devices in a wellbore, the method
2 comprising:
3 (a) providing at least one flowable device into a drilling tubular in the
4 wellbore;
5 (b) providing a unique address to the at least one flowable device; and
6 (c) using a drilling fluid in the drilling tubular for flowing said at least one
7 flowable device to a downhole location and performing a function selected
8 from (i) providing information to a downhole controller, and, (ii)
9 retrieving information from a downhole device.
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1 79. (new) The method of claim 78, wherein selecting the at least one flowable device
2 comprises selecting the at least one flowable device from a group consisting of:
3 (i) a device having a sensor for providing a measure of a parameter of interest; (ii)
4 a device having a memory for storing data therein; (iii) a device carrying energy
5 that is transmittable to another device; (iv) a solid mass carrying a chemical that
6 alters a state when said solid mass encounters a particular property in the
7 wellbore; (v) a device carrying a biological mass; (vi) a data recording device;
8 (vii) a device that is adapted to take a mechanical action, and (viii) a self-charging
9 device due to interaction with the working fluid in the wellbore.

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1 80. (new) The method of claim 78, said function comprises making a measurement of
2 a parameter of interest and wherein said selecting the at least one flowable device
3 comprises selecting a device that provides a measurement selected from a group
4 consisting of: (i) pressure; (ii) temperature; (iii) flow rate; (iv) vibration; (v)
5 presence of a particular chemical in the wellbore; (vi) viscosity; (vii) water
6 saturation; (viii) composition of a material; (ix) corrosion; (x) velocity; (xi) a
7 physical dimension; and (xi) deposition of a particular matter in a fluid.

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1 81. (new) The method of claim 78, wherein selecting the at least one flowable device
2 comprises selecting a flowable device that is adapted to carry data that is one of
3 (i) prerecorded on the at least one flowable device; (ii) recorded on the at least
4 one flowable device downhole; (iii) self recorded by the at least one flowable

5 device; (iv) inferred by a change of a state associated with the at least one
6 flowable device.

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1 82. (new) The method of claim 78, wherein selecting the at least one flowable device
2 comprises selecting a device that is one of: (i) resistant to wellbore temperatures;
3 (ii) resistant to chemicals; (iii) resistant to pressures in wellbores; (iv) vibration
4 resistant; (v) impact resistant; (vi) resistant to electromagnetic radiation; (vii)
5 resistant to electrical noise; and (viii) resistant to nuclear fields.

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1 83. (new) The method of claim 78 further comprising recovering said at least one
2 flowable device.

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1 84. (new) The method of claim 78, wherein the at least one flowable device further
2 comprises a plurality of flowable devices, each such flowable device adapted to
3 perform at least one task.

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1 85. (new) The method of claim 84, further comprising providing the plurality of
2 flowable devices in a manner that is one of: (i) timed release, (ii) time
3 independent release, (iii) on demand release, and (iv) event initiated release.

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1 86. (new) The method of claim 84 further comprising providing the plurality of
2 flowable devices at time intervals such that some of said plurality of flowable

3 devices remain in the wellbore at any given time, thereby forming a network of
4 devices in the wellbore.

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1 87. (new) The method of claim 86 wherein at least one of the plurality of devices
2 remaining in the wellbore communicates with at least one other of the plurality of
3 devices remaining in the wellbore.

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1 88. (new) The method of claim 78 further comprising implanting a plurality of spaced
2 apart flowable devices in said wellbore during drilling of said wellbore.

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